Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Project Division Dasarahalli Zone

Name of Work:Providing ornamental grill and gates to play ground outdoor stadium ward No-14

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)								
	For Entrance Culvert	1	10.00	1.50	1.00	15.00			
	For Entance Gate Coloumn	8	1.50	1.50	1.20	21.60			
						36.60	Cum	202.92	7,426.87
2	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)								
	For Grill Poles								
	South Side	32	0.60	0.60	0.15	1.73			
	East Side	14	0.60	0.60	0.15	0.76			
	For Entrance Culvert	1	10.00	1.50	0.15	2.25			
	For Entance Gate Coloumn	8	1.50	1.50	0.15	2.70			
						7.43	Cum	5348.76	39,762.68
3	KSRB 5.2-2: Providing and constructing **granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per/ specifications.(P.No-23,I No-5.6)								
	For SSm Wall Raising								
	East Side (Balance Portion)	1	31.00	0.45	0.45	6.28			
						6.28	Cum	4438.22	27,860.93
4	KSRB 4-1.6 ; Providing and laying in **position plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P.No-12,I No-4.6)								
	For SSm Wall Raising(Coping)								
	East Side (Balance Portion)	1	31.00	0.45	0.10	1.40			
						1.40	Cum	5767.46	8,045.61
5	KSRB 4-6.4 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(P.No-15,I No-4.31)								
	For Drain Raft								
	For Entrance Culvert	2	10.00		0.23	4.60			
		2	1.20		0.23	0.55			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	or Drain Wall								
	or Entrance Culvert	4	10.00		0.75	30.00			
	or Entance Gate Coloumn Footing	8	5.40		0.45	19.44			
	For Entance Gate Coloumn	8	1.20		4.00	38.40			
						92.99	**Sqm**	**310.58**	**28,881.46**
	Providing and laying **cement concrete using 20 mm** and down size granite coarse aggregates and fine aggregates of ready mixed concrete Cum (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , mainand secondary beams with all lead and lifts etc., complete (exclusiveof cost of steel and fabrication charges.) (P.No-18,I No-4.48)								
	For Culvert Raft								
	For Entrance Culvert	1	10.00	1.20	0.25	3.00			
	For Drain Wall								
	For Entrance Culvert	2	10.00	0.25	0.75	3.75			
	For Grill Poles Fillinf								
	South Side	32	0.60	0.60	0.75	8.64			
	East Side	1	129.00	0.30	0.40	15.48			
	West Side	1	45.00	0.30	0.40	5.40			
	For Entance Gate Coloumn Footing	8	1.35	1.35	0.45	6.56			
	For Entance Gate Plinth	2	6.60	0.30	0.40	1.58			
	For Entance Gate Coloumn	8	0.30	0.30	4.00	2.88			
	East Side RW Raising	1	129.00	0.30	0.45	17.42			
						64.71	**Cum**	**6231.74**	**403255.90**
	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No-17,I No-4.46.3)								
	consider 90kgs/cum for item No.9 only RCC Qty		64.71	0.090		5.82			
						5.82	**Tn**	**75275.90**	**438399.31**
8	Providing and Fixing **pre cast covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge(Data Rate)								
	For Entrance Culvert	1	10.00	1.20		12.00			
						12.00	**Sqm**	**4931.00**	**59,172.00**
9	KSRRB M200-15.1. **Dismantling of existing structures like culverts,** bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202(P.No-137,I No-18.26)								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For Grill								
	South Side	32	0.60	0.60	0.90	10.37			
	East Side	14	0.60	0.60	0.90	4.54			
						14.90	Cum	217.30	3,238.64
11	Fabricating, providing and **erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of** 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip **Galvanised grill work** as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	For Grill								
	South Side	1	96.00		3.00	288.00			
	North Side above RW	1	54.00		1.50	81.00			
	East Side	1	43.00		3.00	129.00			
	East Side above RW	1	69.00		1.50	103.50			
	East Side above RW	1	60.00		0.90	54.00			
	West Side	1	45.00		1.05	47.25			
						702.75	Sqm	9144.14	6426044.39
12	Fabricating, **providing and erecting in position Hot dip galvanised Gate.** Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
	For East Side Entrance Gate	2	3.00		3.20	19.20			
	Wicket Gate on either side	4	1.20		1.20	5.76			
						24.96	Sqm	12475.03	311376.75
13	Providing and **laying flooring using prepolished, water cut/gang saw 19mm thick granite** laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using 19mm thick Raw Silk / Black Pearl granite of width not less than 1200 mm (P.No-107,I No-14.47.4)								
	For Entance Gate Coloumn	8	1.20		3.00	28.80			
	For Entance Gate Coloumn	32	0.35		0.35	3.92			

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
					32.72	Sqm	2776.14	90,835.30
Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. (P.No. 108, I.No. 14.55)								
For Entance Gate Coloumn	4*4*2	0.30		3.00	115.20			
For Entance Gate Coloumn	16*8	0.35			44.80			
					160.00	m	252.28	40,364.80
							Total Construction Cost	7884664.63
							Add KRIDL Charges 11%	867313.11
							Towards PMC Cost	197116.62
							Sub Total	8949094.35
							Utility Shifting,Miscellaneous and Rounding off	50,905.65
							GRAND TOTAL	9000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017.and Data Rates

Assistant Engineer
Project Division,Dasarahaali
BBMP Bangalore

Asst. Executive Engineer,
Project Division,Dasarahaali
BBMP Bangalore

Executive Engineer,
Project Division,Dasarahaali
BBMP Bangalore

ನಂ:EE/TS/20/17-18 ದಿನಾಂಕ: - 18/11/2017
ರೂ. 90 00 000/- Nine Lakh only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ನಂ.EE/TS/265/17-18 ದಿನಾಂಕ : 20/11/2017
ರೂ. Rs 90-00 Lakhs only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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